

**Amendments to the Abstract**

Please substitute the following paragraph for the abstract now appearing in the currently filed specification:

**ABSTRACT**

A surface reactor includes a copper-tin alloy for converting unsaturated hydrocarbons contained in propellants and fuels. The surface reactor is configured in one-piece from a long chip or wire-shaped body. The surface reactor is configured from the alloy or from a support material that has been appropriately shaped and coated with the alloy.